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~~MP-18~~  
~~PATENT~~

Practitioner's Docket No. 13898-4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **DAVID CROCKER**

Application No.: 10/091,122

Group No.: 2122

Filed: March 5, 2002

Examiner: --

For: **PROCESS AND SYSTEM FOR DEVELOPING MATHEMATICALLY VALIDATED  
OBJECT-ORIENTED SOFTWARE**

**Box Missing Part**

**Assistant Commissioner for Patents**

**Washington, D.C. 20231**

**COMPLETION OF FILING REQUIREMENTS  
-- NONPROVISIONAL APPLICATION**

*(check and complete this item, if applicable)*

- I.** This replies to the Notice to File Missing Parts of Application (PTO-1533) **or** Notice of Informal Application **or** Notice to file corrected applications papers mailed April 5, 2002.

*NOTE: If these papers are filed before the office letter issues, adequate identification of the original papers should be made, e.g., in addition to the name of the inventor and title of invention, the filing date based on the "Express Mail" procedure, the serial number from the return post card or the attorney's docket number added.*

**CERTIFICATION UNDER 37 C.F.R. 1.8(a) and 1.10\***

*(When using Express Mail, the Express Mail label number is mandatory;  
Express Mail certification is optional.)*

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

- ☒ deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

**37 C.F.R. 1.8(a)**

**37 C.F.R. 1.10\***

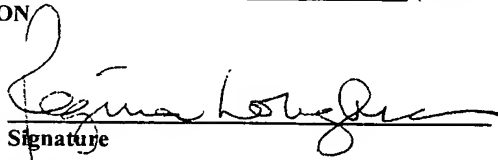
- ☒ with sufficient postage as first class mail.

- ☐ as "Express Mail Post Office to Address"  
Mailing Label No. \_\_\_\_\_ (mandatory)

**TRANSMISSION**

- ☐ transmitted by facsimile to the Patent and Trademark Office.

Date: May 31, 2002

  
Signature

Regina Ann Loughran

*(type or print name of person certifying)*

**\*WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).

*"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.*



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[X] A copy of the Notice is enclosed.

NOTE: The PTO requires that a copy of Form PTO-1533 be returned with the response to the notice to file missing parts to the application.

### DECLARATION OR OATH

III. (a) [X] No declaration or oath was filed. Enclosed is the original declaration or oath for this application.

NOTE: If the correct inventor or inventors are not named on filing a nonprovisional application under Section 1.53(b) without an executed oath or declaration under Section 1.63, the later submission of an executed oath or declaration under Section 1.63 during the pendency of the application will act to correct the earlier identification of inventorship. 37 C.F.R. Section 1.48(f)(1).

OR

(b) [ ] The declaration or oath that was filed was determined to be defective. A new original oath or declaration is attached.

NOTE: For surcharge fee for filing declaration after filing date complete item VI(3) below.

NOTE: "The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 C.F.R. Section 1.63:

- (A) application number (consisting of the series code and the serial number, e.g., 08/123,456);
- (B) serial number and filing date;
- (C) attorney docket number which was on the specification as filed;
- (D) title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or
- (E) title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration.

M.P.E.P. Section 601.01(a), 7th ed.

NOTE: Another minimum found acceptable in the declaration is the filing date (i.e., date of express mail) and the express mail number, useful where the serial number is not yet known. But note the practice where the express mail deposit is a Saturday, Sunday or holiday within the District of Columbia. 37 C.F.R. Section 1.10(c).

(complete as applicable)

Attached is a

- (c) [ ] Statement by a registered attorney that the application filed in the PTO is the application that the inventor executed by signing the declaration.
- (d) [ ] Statement that the "attached" specification is a copy of the specification and any amendments thereto that were filed in the PTO to obtain the filing date.
- (e) [ ] Statement that substitute specification contains no new matter.
- (f) [ ] Preliminary Amendment
- (g) [ ] Transmittal of Formal Drawing(s) Prior to Notice of Allowance
- (h) [ ] Submission of "Sequence Listing," computer readable copy, and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence



## AMENDMENT TO CLAIMS

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III. ☐ Cancel claims \_\_\_\_\_ inclusive.

### TRANSMITTAL OF ENGLISH TRANSLATION OF NON-ENGLISH LANGUAGE PAPERS

- IV. ☐ Submitted herewith is an English translation of the non-English language application papers as originally filed. Also submitted herewith is a statement by the translator of the accuracy of the translation. It is requested that this translation be used as the copy for examination purposes in the PTO.

*NOTE: For fee processing a non-English application, complete item VI(5) below.*

*NOTE: A non-English oath or declaration in the form provided or approved by the PTO need not be translated. 37 C.F.R. Section 1.69(b).*

### SMALL ENTITY STATUS

- V. ☒ A statement that this filing is by a small entity

*(check and complete applicable items)*

☒ is attached.

☐ A separate refund request accompanies this paper.

☐ was filed on \_\_\_\_\_ (original).

### COMPLETION FEES

#### VI.

**WARNING:** *Failure to submit the surcharge fees where required will cause the application to become abandoned. 37 C.F.R. Section 1.53.*

*NOTE: For effect on fees of failure to establish status, or change status, as a small entity, see 37 C.F.R. Section 1.28(a).*

#### 1. Filing fee

- ☒ original patent application  
(37 C.F.R. Section 1.16(a)--\$740.00: small entity--\$370) \$ 370.00
- ☐ design application  
(37 C.F.R. Section 1.16(f)--\$330; small entity--\$165) \$ \_\_\_\_\_

2. Fees for claims

- ☐ each independent claim in excess of 3  
(37 C.F.R. Section 1.16(b)--\$84; small entity--\$42) \$ \_\_\_\_\_
- ☒ each claim in excess of 20  
(37 C.F.R. Section 1.16(c)--\$18; small entity--\$9) \$ 54.00
- ☐ multiple dependent claim(s)  
(37 C.F.R. Section 1.16(d)--\$280; small entity--\$140) \$ \_\_\_\_\_

3. Surcharge fees

- ☒ late payment of filing fee and/or late filing of original declaration or oath  
(37 C.F.R. Section 1.16(e)--\$130; small entity--\$65) \$ 65.00

*NOTE: Even where a facsimile declaration or oath signed by the inventor(s) was part of the originally filed papers, the surcharge fee is required.*

*NOTE: If both the filing fee and declaration or oath were missing from the original papers, the Office practice under 37 C.F.R. Section 1.16(e) is that only one surcharge fee need be paid whether the later filed oath or declaration and/or the filing fee are submitted afterwards at the same time or at different times.*

4. ☐ Petition and fee for filing by other than  
all the inventors or a person not the inventor  
(37 C.F.R. Sections 1.17(i) and 1.47--\$130) \$ \_\_\_\_\_
5. ☐ Fee for processing an application filed with  
a specification in a non-English language  
(37 C.F.R. Sections 1.17(k) and 1.52(d)--\$130) \$ \_\_\_\_\_
6. ☐ Fee for processing and retention of application  
(37 C.F.R. Sections 1.21(l) and 1.53(d)--\$130) \$ \_\_\_\_\_

*NOTE: 37 C.F.R. Section 1.21(l) establishes a fee for processing and retaining any application which is abandoned for failing to complete the application pursuant to 37 C.F.R. Section 1.53(f) and this, as well as, the changes to 37 C.F.R. Section 1.53 and 1.78 indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee or the processing and retention fee of Section 1.21(l) within 1 year of notification under Section 1.53(f) must be paid.*

7. ☐ Assignment (See "ASSIGNMENT COVER SHEET") \$ \_\_\_\_\_

Total completion fees \$ 489.00

## EXTENSION OF TIME

### VII.

*(complete (a) or (b), as applicable)*

The proceedings herein are for a patent application, and the provisions of 37 C.F.R. Section 1.136(a) apply.

- (a) ☐ Applicant petitions for an extension of time, the fees for which are set out in 37 C.F.R. Section 1.17(a)(1)-(4), for the total number of months checked below:

Extension (months)	Fee for other than <u>small entity</u>	Fee for <u>small entity</u>
<input type="checkbox"/> one month	\$ 110.00	\$ 55.00
<input type="checkbox"/> two months	\$ 400.00	\$200.00
<input type="checkbox"/> three months	\$ 920.00	\$460.00
<input type="checkbox"/> four months	\$1,440.00	\$720.00

Fee \$ \_\_\_\_\_

If an additional extension of time is required, please consider this a petition therefor.

*(check and complete the next item, if applicable)*

☐ An extension for \_\_\_\_\_ months has already been secured, and the fee paid therefor of \$ \_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ \_\_\_\_\_

OR

- (b) ☒ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

## TOTAL FEE DUE

### VIII.

The total fee due is

Completion fee(s) \$ 489.00  
Extension fee (if any) \$ \_\_\_\_\_

Total Fee Due \$ 489.00

## PAYMENT OF FEES

### IX.

☒ Enclosed is a check in the amount of \$ 489.00.

☐ Charge Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.  
A duplicate of this request is attached.

*NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 C.F.R. Section 1.22(b).*

Please charge Account No. 12-0425 for any fees which may be due by this paper.

## AUTHORIZATION TO CHARGE ADDITIONAL FEES

### X.

**WARNING:** *Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges if extra claims are authorized.*

*NOTE: "Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. Section 1.26(a).*

☒ The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the pendency of this application to Account No. 12-0425

☒ 37 C.F.R. Section 1.16(a), (f) or (g) (filing fees)

☐ 37 C.F.R. Section 1.16(b), (c) and (d) (presentation of extra claims)

*NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims canceled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. Section 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.*

☒ 37 C.F.R. Section 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

☒ 37 C.F.R. Section 1.17(a)(1)-(5) (extension fees pursuant to Section 1.136(a)).

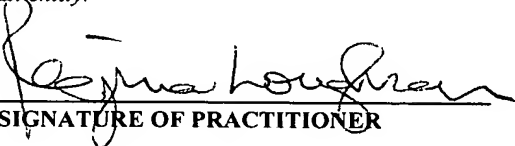
☒ 37 C.F.R. Section 1.17 (application processing fees)

NOTE: "A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under Section 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in Section 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. Section 1.136(a)(3).

[X] 37 C.F.R. Section 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. Section 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. Section 1.311(b).

NOTE: 37 C.F.R. Section 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying . . . issue fee . . ." From the wording of 37 C.F.R. Section 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

  
SIGNATURE OF PRACTITIONER

Reg. No.: 30958

REGINA ANN LOUGHRAN  
(type or print name of practitioner)

Tel. No.: (212) 708-1802

\_\_\_\_\_  
P.O. Address

Customer No.: 00140

\_\_\_\_\_  
c/o Ladas & Parry  
26 West 61<sup>st</sup> Street  
New York, N.Y. 10023

Practitioner's Docket No. U013898-44

# 3  
PATENT



Optional Customer No. Bar Code

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00140

PATENT TRADEMARK OFFICE

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**COMBINED DECLARATION AND POWER OF ATTORNEY**

---

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)

---

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is of the following type:

*(check one applicable item below)*

- ☒ original.  
☐ design.

*NOTE: With the exception of a supplemental oath or declaration submitted in a reissue, a supplemental oath or declaration is not treated as an amendment under 37 CFR 1.312 (Amendments after allowance). M.P.E.P. Section 714.16, 7<sup>th</sup> Ed.*

- ☐ supplemental.

*NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.*

- ☐ national stage of PCT.

*NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.*

*NOTE: See 37 C.F.R. Section 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.*

- ☐ divisional.  
☐ continuation.

*NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. Section 1.53(b) (application filing requirements-nonprovisional application).*

- ☐ continuation-in-part (C-I-P).



## INVENTORSHIP IDENTIFICATION

**WARNING:** *If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.*

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

### TITLE OF INVENTION

PROCESS AND SYSTEM FOR DEVELOPING MATHEMATICALLY VALIDATED  
OBJECT-ORIENTED SOFTWARE

### SPECIFICATION IDENTIFICATION

The specification of which:

(complete (a), (b), or (c))

(a) ☐ is attached hereto.

**NOTE:** *"The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 C.F.R. Section 1.63:*

*"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;*

*"(2) name of inventor(s), and attorney docket number which was on the specification as filed; or*

*"(3) name of inventor(s), and title which was on the specification as filed."*

*Notice of July 13, 1995 (1177 O.G. 60).*

(b) ☒ was filed on March 5, 2002, ☒ as Application No. 10/091,122  
☐ and was amended on \_\_\_\_\_ (if applicable).

**NOTE:** *Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 C.F.R. Section 1.67.*

**NOTE:** *"The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 C.F.R. Section 1.63:*

(A) *application number (consisting of the series code and the serial number, e.g., 08/123,456);*

(B) *serial number and filing date;*

(C) *attorney docket number which was on the specification as filed;*

(D) *title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or*

(E) *title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration.*

*M.P.E.P. § 601.01(a), 7th ed.*

- (c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_ (if any).

**SUPPLEMENTAL DECLARATION (37 C.F.R. Section 1.67(b))**

*(complete the following where a supplemental declaration is being submitted)*

☐ I hereby declare that the subject matter of the

☐ attached amendment

☐ amendment filed on \_\_\_\_\_.

was part of my/our invention and was invented before the filing date of the original application, above identified, for such invention.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, Section 1.56,

*(also check the following items, if desired)*

☐ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

☐ in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 C.F.R. Section 1.98.

**PRIORITY CLAIM (35 U.S.C. Section 119(a)-(d))**

NOTE: 37 C.F.R. § 1.55 Claim for foreign priority.

*"(a) An applicant in a nonprovisional application may claim the benefit of the filing date of one or more prior foreign applications under the conditions specified in 35 U.S.C. 119(a) through (d) and (f), 172, and 365(a) and (b).*

*(1)(i) In an original application filed under 35 U.S.C. 111(a), the claim for priority must be presented during the pendency of the application, and within the later of four months from the actual filing date of the application or sixteen months from the filing date of the prior foreign application. This time period is not extendable. The claim must identify the foreign application for which priority is claimed, as well as any foreign application for the same subject matter and having a filing date before that of the application for which priority is claimed, by specifying the application number, country (or intellectual property authority), day, month, and year of its filing. The time period in this paragraph does not apply to an application for a design patent.*

*(ii) In an application that entered the national stage from an international application after compliance with 35 U.S.C. 371, the claim for priority must be made during the pendency of the application and within the time limit set forth in the PCT and the Regulations under the PCT."*

(2) The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) or PCT Rule 17 must, in any event, be filed before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by the processing fee set forth in § 1.17(i), but the patent will not include the priority claim unless corrected by a certificate of correction under 35 U.S.C. 255 and § 1.323.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) ☐ no such applications have been filed.  
(e) ☒ such applications have been filed as follows.

NOTE: Where item (e) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. SECTION 119(a)-(d)**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 USC 119
GB	0105734.8	8 MARCH 2001	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)  
(35 U.S.C. Section 119(e))**

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FILING DATE  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)  
UNDER 35 U.S.C. SECTION 120**

- ☐ The claim for the benefit of any such applications are set forth in the attached  
ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART (C-I-P)  
APPLICATION.

**ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

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*NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. Section 120.*

**POWER OF ATTORNEY**

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

*(list name and registration number)*

JOSEPH H. HANDELMAN, 26179

JULIAN H. COHEN, 20302

JOHN RICHARDS, 31053

WILLIAM R. EVANS 25858

RICHARD J. STREIT, 25765

JANET I. CORD, 33778

PETER D. GALLOWAY, 27885

CLIFFORD J. MASS, 30086

RICHARD P. BERG, 28145

CYNTHIA R. MILLER, 34678

*(Check the following item, if applicable)*

- ☐ I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
- ☐ Attached, as part of this declaration and power of attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

NOTE: "Special care should be taken in continuation or divisional applications to ensure that any change of correspondence address in a prior application is reflected in the continuation or divisional application. For example, where a copy of the oath or declaration from the prior application is submitted for a continuation or divisional application filed under 37 CFR 1.53(b) and the copy of the oath or declaration from the prior application designates an old correspondence address, the Office may not recognize, in the continuation or divisional application, the change of correspondence address made during the prosecution of the prior application. Applicant is required to identify the change of correspondence address in the continuation or divisional application to ensure that communications from the Office are mailed to the current correspondence address. 37 CFR 1.63(d)(4)." Section 601.03, M.P.E.P., 7th Ed

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SEND CORRESPONDENCE TO

**Ladas & Parry**  
**26 West 61<sup>st</sup> Street**  
**New York, N.Y. 10023**

DIRECT TELEPHONE CALLS TO:  
(Name and telephone number)

**WILLIAM R. EVANS**  
**(212) 708-1930**

---

(complete the following if applicable)

Since this filing is a [ ] continuation [ ] divisional there is attached hereto a Change of Correspondence Address so that there will be no question as to where the PTO should direct all correspondence.

#### DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other document.

NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 C.F.R. Section 1.63(a)(3).

NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997.

### Full name of sole or first inventor

DAVID  
(Given Name)

(Middle Initial or Name)

CROCKER  
Family (Or Last Name)

Inventor's signature (X)

D. Crocker

Date (X) 22 MAY 2002

Country of Citizenship

UNITED KINGDOM

Residence ~~ARCHIPELAGO BUSINESS PARK, LYON WAY, TRIMLEY, SURREY GU16 5ER,~~

~~UNITED KINGDOM~~ MALLARD COTTAGE, HILLSIDE ROAD, ASH VALE, ALDERSHOT GU12 5BS,

Post Office Address SAME AS ABOVE

UNITED KINGDOM

### Full name of second joint inventor, if any

(Given Name)

(Middle Initial or Name)

Family (Or Last Name)

Inventor's signature

Date

Country of Citizenship

Residence

Post Office Address

### Full name of third joint inventor, if any

(Given Name)

(Middle Initial or Name)

Family (Or Last Name)

Inventor's signature

Date

Country of Citizenship

Residence

Post Office Address

(check proper box(es) for any of the following added page(s)  
that form a part of this declaration)

☐ Signature for fourth and subsequent joint inventors. *Number of pages added* \_\_\_\_\_

\* \* \*

☐ **Signature** by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. *Number of pages added* \_\_\_\_\_

\* \* \*

☐ **Signature** for inventor who refuses to sign or cannot be reached by person authorized under 37 C.F.R. Section 1.47. *Number of pages added* \_\_\_\_\_

\* \* \*

☐ Added page for **signature** by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 C.F.R. Section 1.47)

\* \* \*

☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

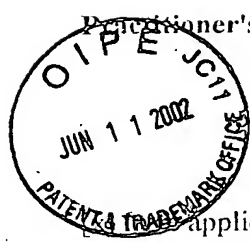
☐ Number of pages added \_\_\_\_\_

\* \* \*

☐ Authorization of practitioner(s) to accept and follow instructions from representative.

(If no further pages form a part of this Declaration,  
then end this Declaration with this page and check the following item)

☒ This declaration ends with this page.



Patentitioner's Docket No. U013898-4

*4*  
**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: **DAVID CROCKER**

Application No.:

Group No.:

Filed: MARCH 5, 2002

Examiner:

For: PROCESS AND SYSTEM FOR DEVELOPING MATHEMATICALLY VALIDATED OBJECT-ORIENTED SOFTWARE

☐ \*Patent No.:

Issue Date:

*\*NOTE: Insert name(s) of inventor(s) and title also for patent Where statement is with respect to a maintenance fee payment, also insert application number and filing date, and add Box M. Fee to address.*

**STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(c-f) and 1.27(b-d))**

With respect to the invention described in

☐ the specification filed herewith.

☒ application no. 12/091,122, filed March 5, 2002.

☐ patent no. \_\_\_\_\_ issued \_\_\_\_\_.

**I. IDENTIFICATION AND RIGHTS AS A SMALL ENTITY**

I hereby state that I am

*(complete either (a), (b), (c) or (d) below)*

**(a) Independent Inventor**

☐ a below named independent inventor, and that I qualify as an independent inventor, as defined in 37 CFR 1.9(c), for purposes of paying reduced fees under Sections 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office.

**(b) Noninventor Supporting a Claim by Another**

☐ making this statement to support a claim by

for a small entity status for purposes of paying reduced fees under Sections 41(a) and (b) of Title 35, United States Code. I hereby state that I would qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under Sections 41(a) and (b) of Title 35, United States Code, if I had made the above identified invention.

**(c) Small Business Concern**

☒ the owner of the small business concern identified below:

check  
one →

☐ an official of the small business concern empowered to act on behalf of the concern identified below:



CEDAR HOUSE, CEDAR LANE,

FRIMLEY.

and

(d) Non-Profit Organization

Name of Organization

Address of Organization

## [ ] University or Other Institution of Higher Education

[ ] Nonprofit Scientific or Educational Under Statute of State of the United States of America

(Name of State \_\_\_\_\_)

(Citation of Statute)

[ ] Would Qualify as Tax Exempt Under Internal Revenue Service Code (26 USC 501(a) and 501(c) (3)), if Located in the United States of America

[ ] Would Qualify as Nonprofit Scientific or Educational Under Statute of State of the United States of America, if Located in the United States of America

(Name of State \_\_\_\_\_)

(Citation of Statute)

## II. OWNERSHIP OF INVENTION BY DECLARANT

I hereby state that rights under contract or law remain with and/or have been conveyed to the above identified \_\_\_\_\_

[ ] person  
(item (a) or (b) above)

[x] concern  
(item (c) above)

[ ] organization  
(item (d) above)

EXCEPT, that if the rights held are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held (1) by any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, (2) any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or (3) a nonprofit organization under 37 CFR 1.9(e).

- ☒ no such person, concern, or organization  
☐ person, concerns or organizations listed below\*

*\*NOTE: Separate statements are required from each named person, concern or organization having rights to the invention as to their status as small entities. (37 CFR 1.27)*

Full Name \_\_\_\_\_  
Address \_\_\_\_\_  
☐ INDIVIDUAL      ☐ SMALL BUSINESS CONCERN      ☐ NONPROFIT ORGANIZATION

Full Name \_\_\_\_\_  
Address \_\_\_\_\_  
☐ INDIVIDUAL      ☐ SMALL BUSINESS CONCERN      ☐ NONPROFIT ORGANIZATION

### III. ACKNOWLEDGEMENT OF DUTY TO NOTIFY PTO OF STATUS CHANGE

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

### IV. DECLARATION

*(check the following item, if desired)*

*NOTE: The following verification statement need not be made in accordance with the rules published on October 10, 1997, 62 Fed. Reg. 52131, effective December 1, 1997.*

*NOTE: "The presentation to the Office (whether by signing, filing, submitting, or later advocating) of any paper by a party, whether a practitioner or non-practitioner, constitutes a certification under § 10.18(b) of this chapter. Violations of § 10.18(b)(2) of this chapter by a party, whether a practitioner or non-practitioner, may result in the imposition of sanctions under § 10.18(c) of this chapter. Any practitioner violating § 10.18(b) may also be subject to disciplinary action. See §§ 10.18(d) and 10.23(c)(15)." 37 CFR 1.4(d)(2).*

- ☐ I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

V. SIGNATURES

(complete only (e) or (f) below)

(e)

NOTE: All inventors must sign the statement.

\_\_\_\_\_  
Name of Inventor

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Name of Inventor

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Name of Inventor

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Inventor

(add lines for any additional inventors who must sign)

or

(f)

NOTE: The title of the person signing on behalf of a concern or nonprofit organization should be specified.

Name of Person Signing X DAVID CROCKER

Title of Person X DIRECTOR  
(if signing on behalf of a concern or non-profit organization)

Address of Person Signing MALLARD COTTAGE, HILLSIDE ROAD, ASH VALE,  
~~1 ARCHDELA GO BUSHES PARK, LYON WAY, FRIMLEY,~~  
~~TREREY GATE, SER, UNITED KINGDOM~~ ALDERSHOT GU12 5BJ, UNITED KINGDOM

SIGNATURE (X) D. CR DATE (X) 22 MAY 2002